

The Knowledge Bank at The Ohio State University
Ohio State Engineer

Title: Front Matter

Issue Date: Jan-1925

Publisher: Ohio State University, College of Engineering

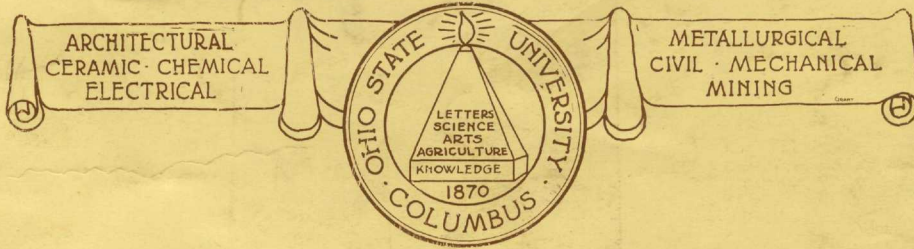
Citation: Ohio State Engineer, vol. 8, no. 2 (January, 1925), 1-4.

URI: <http://hdl.handle.net/1811/33661>

Appears in Collections: [Ohio State Engineer: Volume 8, no. 2 \(January, 1925\)](#)

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OHIO STATE ENGINEER



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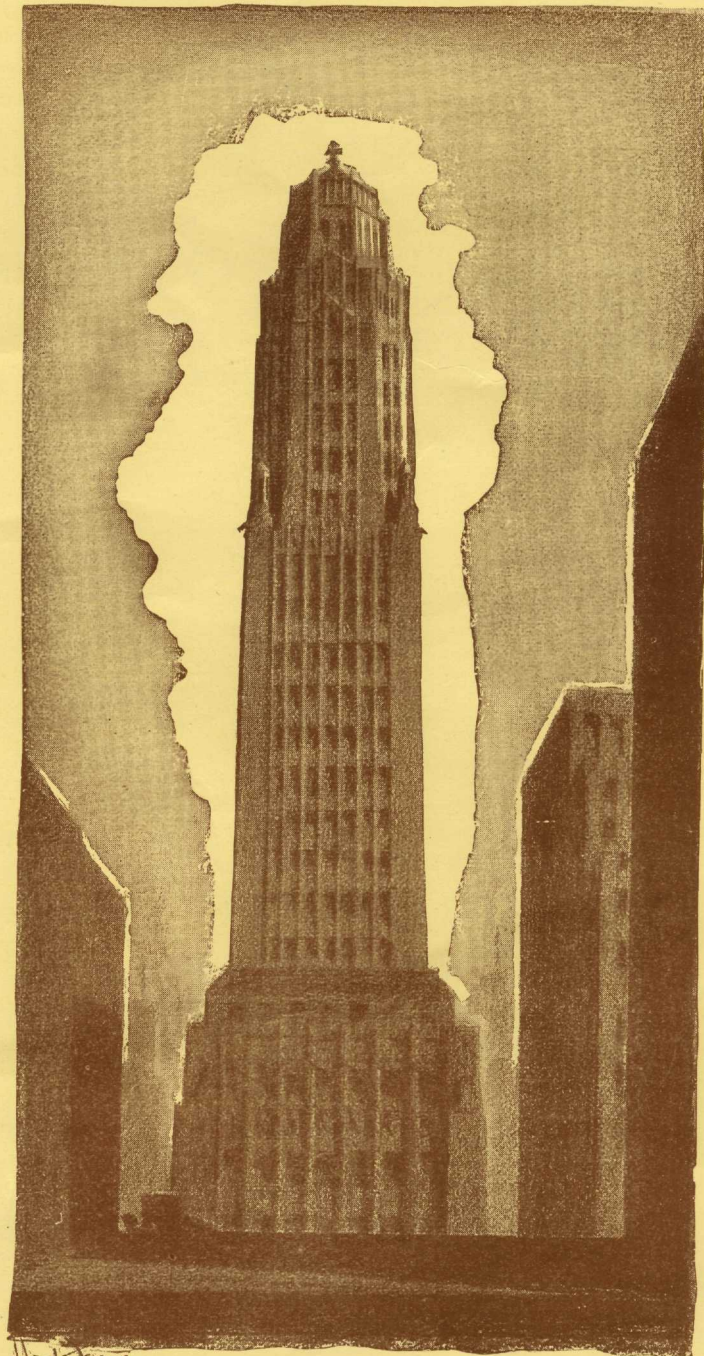
Vol. VIII

OHIO STATE UNIVERSITY

No. 2

The Bush Building
New York City
HELMLE & CORBETT,
Architects

Drawn by Hugh Ferriss



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Profile"*

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Certainly modern invention—modern engineering skill and organization, will prove more than equal to the demands of the architecture of the future.

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OHIO STATE ENGINEER

Member Engineering College Magazines Associated

Published quarterly by the students in the College of Engineering, Ohio State University.

Vol. VIII

JANUARY, 1925

No. 2

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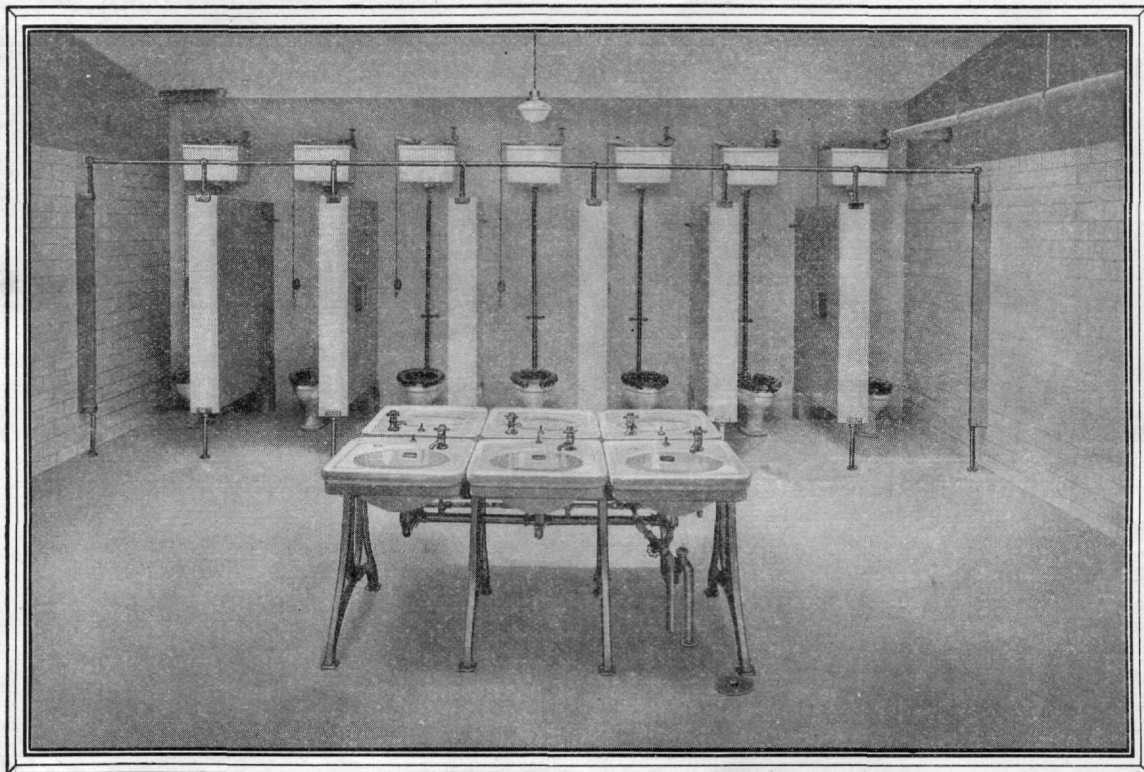
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Subscription price, \$1.00 per year, 25c per copy. Checks, money orders, etc., payable to the Ohio State Engineer.

Entered as second-class matter May 15, 1922, at the post office at Columbus, Ohio, under the act of March 3, 1879. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized December 8, 1922.

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THINKING

By Walter D. Wintle

If you think you are beaten, you are;
If you think you dare not, you don't.
If you'd like to win, but you think you can't,
It's almost a cinch you won't.
If you think you'll lose, you're lost;
For out of the world you find
Success begins with a fellow's will—
It's all in the state of mind.
If you think you are outclassed, you are;
You've got to think high to rise.
You've got to be sure of yourself before
You can ever win a prize.
Life's battles don't always go
To the stronger or faster man;
But soon or late the man who wins
Is the one who thinks he can.

—*Courtesy of The American Rolling Mill Co.*

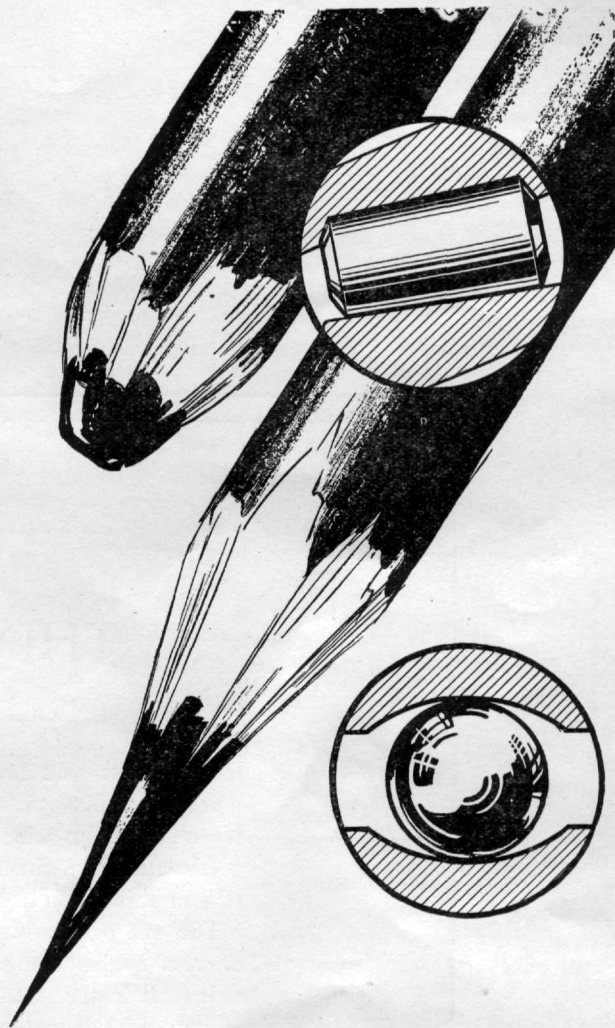
THE surest thing about a pencil with a fine, long point is that the fine, long point will soon wear off. Five minutes of rapid note-taking, and you're down to where the point is broad, and there the lead lasts much longer.

Here, in principle, you have a key to the superiority of a roller over a ball bearing.

Two surfaces, separated by a ball, must rest upon points in the circumference of the ball. They rest upon points because there's nothing else in the circumference of a perfect ball but points.

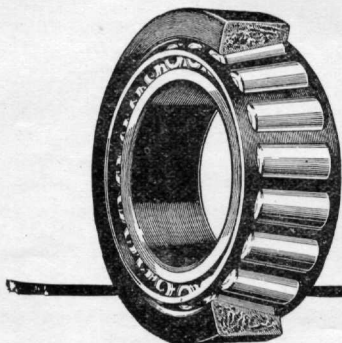
Two surfaces that are separated by rollers, however, rest upon the broad length of the surface of the rollers.

Although made of steel instead of graphite, and thus infinitely more enduring, the difference in life between a roller bearing and a ball bearing is nevertheless typified by the sharp vs. dulled pencil point. The broader the surface over which the load is distributed, the less rapid the wear—and the longer the life of the bearing.



Timken Bearings, in addition to being roller bearings are also tapered roller bearings. Because of the taper, they withstand the loads which are called "end thrust," as well as those directly at right angles to the axis in which the bearing is mounted, called "radial load." Only tapered bearings have the capacity in one bearing to withstand both these loads.

The Timken Roller Bearing Company
CANTON, OHIO



TIMKEN
Tapered
ROLLER BEARINGS